

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/23601

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G03F7/42 G03F7/075

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 854 302 A (P.S. FOSTER ET AL.) 29 December 1998 (1998-12-29)	1-3, 10
Y	column 15, line 54 - line 58 column 17, line 3 - line 7 column 18, paragraph 3 column 25	4
Y	US 2002/158317 A1 (G.S. BECKER ET AL.) 31 October 2002 (2002-10-31) cited in the application claims	4
A	US 5 318 877 A (C.K. OBER ET AL.) 7 June 1994 (1994-06-07) page 4, line 50 - line 60 claims	1-10
	----- -/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

1 April 2004

Date of mailing of the international search report

13/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dupart, J.-M.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/23601

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 091 103 A (A. DEAN ET AL.) 25 February 1992 (1992-02-25) claims -----	1-10

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/US 03/23601

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5854302	A	29-12-1998	CA 2159733 A1	10-11-1994
			DE 69424786 D1	06-07-2000
			DE 69424786 T2	28-12-2000
			EP 0700534 A1	13-03-1996
			JP 8510273 T	29-10-1996
			SG 59955 A1	22-02-1999
			WO 9425903 A1	10-11-1994
			US 5882836 A	16-03-1999
US 2002158317	A1	31-10-2002	CA 2438126 A1	29-08-2002
			EP 1362364 A2	19-11-2003
			WO 02067292 A2	29-08-2002
US 5318877	A	07-06-1994	US 5290397 A	01-03-1994
US 5091103	A	25-02-1992	DE 69029586 D1	13-02-1997
			DE 69029586 T2	17-07-1997
			EP 0531292 A1	17-03-1993
			JP 2502815 B2	29-05-1996
			JP 5504204 T	01-07-1993
			WO 9117484 A1	14-11-1991